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DEPARTMENT OF THE ARMY  
UNITED STATES ARMY RESEARCH LABORATORY  
2800 POWDER MILL ROAD  
ADELPHI, MARYLAND 20783-1197

Declaration and Power of Attorney for Original Application

Docket No.: ARL 98-68D

As below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;  
I believe I am the original, first and sole inventor (if only one name is listed below), or an original, first  
and joint inventor (if plural names are listed below) of the subject matter, which is claimed and for  
which a patent is sought on the invention entitled

**Method of Fabricating a Colossal Magneto-Resistive Detector Using a Thin Film Transfer Method**

The specification of which is attached hereto;

I hereby state that I have reviewed and understand the contents of the above-identified specification,  
including the claims;

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to  
be material to patentability as defined in 37 C.F.R. § 1.56;

No foreign applications for a patent or inventor's certificate have been filed.

POWER OF ATTORNEY: I hereby certify that the Government of the United States of America, as  
represented by the Secretary of the Army, has an assignment in the invention set forth in this  
application, and give irrevocable control of this application for Letters Patent to the Government of the  
United States, as represented by the Secretary of the Army, and appoint the following attorneys and all  
registered patent attorneys and agents hereinafter associated with Customer Numbers 21364, Army  
Research Laboratory; and 37064, Office of Command Counsel, U.S. Army Materiel Command to  
transact all business in the United States Patent and Trademark Office connected therewith:

William V. Adams 32,552 (703 806-8255) William W. Randolph 28,986 (703 806-8254)  
Stephen M. Bloor 39,612 (301 394-1595) Edward L. Stolarun 25,515 (703 806-8244)

ADDRESS ALL TELEPHONE CALLS TO William V. Adams (Phone numbers are listed above)  
ADDRESS ALL CORRESPONDENCE TO: U.S. Army Research Laboratory,  
ATTN: AMSRD-ARL-CS-CC-IP (C. Bourget), 2800 Powder Mill Road, Adelphi, MD 20783-1197

I hereby declare that all statements made herein of my own knowledge are true and that all statements  
made on information and belief are believed to be true; and further that these statements were made with  
the knowledge that willful false statements and the like so made are punishable by fine and  
imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the  
validity of the application or any patent issued thereon.

FULL NAME of SOLE or FIRST INVENTOR: Meimei Z. Tidrow

RESIDENCE: Annandale, VA

CITIZENSHIP: USA

POST OFFICE ADDRESS: 4643 Aspen Hill Court, Annandale, VA 22003

DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

NOTE NEW  
ADDRESS FOR  
INVENTOR #1  
SEE ATTACHED  
ORIGINAL DECLARATION  
AND POWER OF ATTORNEY  
PLUS REVOCATION AND  
NEW POWER OF ATTORNEY  
WILLIAM V. ADAMS  
22 MARCH 2000  
PS#32-532

Docket No.: ARL 98-68D

FULL NAME OF SECOND INVENTOR: Steven Tidrow

RESIDENCE: Silver Spring, MD CITIZENSHIP: USA

POST OFFICE ADDRESS: 14105 Castle Blvd., Apt 303, Silver Spring, MD 20783-1197

DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

FULL NAME OF THIRD INVENTOR: \_\_\_\_\_

RESIDENCE: \_\_\_\_\_ CITIZENSHIP: \_\_\_\_\_

POST OFFICE ADDRESS: \_\_\_\_\_

DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

FULL NAME OF FOURTH INVENTOR: \_\_\_\_\_

RESIDENCE: \_\_\_\_\_ CITIZENSHIP: \_\_\_\_\_

POST OFFICE ADDRESS: \_\_\_\_\_

DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

FULL NAME OF FIFTH INVENTOR: \_\_\_\_\_

RESIDENCE: \_\_\_\_\_ CITIZENSHIP: \_\_\_\_\_

POST OFFICE ADDRESS: \_\_\_\_\_

DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

FULL NAME OF SIXTH INVENTOR: \_\_\_\_\_

RESIDENCE: \_\_\_\_\_ CITIZENSHIP: \_\_\_\_\_

POST OFFICE ADDRESS: \_\_\_\_\_

DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

DEPARTMENT OF THE ARMY  
UNITED STATES ARMY RESEARCH LABORATORY  
2800 POWDER MILL ROAD  
ADELPHI, MARYLAND 20783-1197

Declaration and Power of Attorney: Original Application

Docket No. ARL 98-68

As below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**Method of Fabricating a Ferroelectric/Pyroelectric Infrared Detector Using a Crystallographically Oriented Electrode and a Rock Salt Structure Material substrate**

The specification of which is attached hereto;

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims;

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56;

No foreign applications for a patent or inventor's certificate have been filed.

POWER OF ATTORNEY: I hereby certify that the Government of the United States of America, as represented by the Secretary of the Army, has an assignment in the invention set forth in this application, and give irrevocable control of this application for Letters Patent to the Government of the United States, as represented by the Secretary of the Army, and appoint the following attorneys to transact all business in the Patent and Trademark Office connected therewith:

Mr. Paul S. Clohan, Jr. Reg. No.: 33,369

Mr. Mark D. Kelly, Reg. No.: 39,467

ADDRESS ALL TELEPHONE CALLS TO Mark D. Kelly (301) 394-1584

ADDRESS ALL CORRESPONDENCE TO: U.S. ARMY Research Laboratory, ATTN: AMSRL-CS-CC-IP, 2800 Powder Mill Rd., Adelphi, MD 20783-1197

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

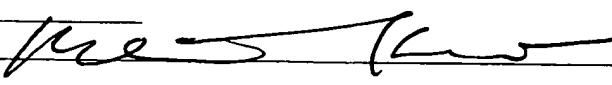
FULL NAME of SOLE or FIRST INVENTOR: Meimei Tidrow

RESIDENCE: Silver Spring, MD

CITIZENSHIP: USA

POST OFFICE ADDRESS: 14539 Cutstone Way, Silver Spring, MD 20905

Date: 4-12-00

SIGNATURE: 

FROM PARENT CASE  
SEE ADDRESS CHANGE  
W. T. Tidrow  
WILLIAM V. ADAMS  
REG. # 32552  
22 MAR 2004

Docket No.: ARL 98-68

FULL NAME OF SECOND INVENTOR: Steven Tidrow

RESIDENCE: Silver Spring, MD CITIZENSHIP: USA

POST OFFICE ADDRESS: 2537 Glenallan Ave, Apt. 4, Silver Spring, MD 20906

Date: 11 April 2000

SIGNATURE: Steven Tidrow

FULL NAME OF THIRD INVENTOR:

RESIDENCE: \_\_\_\_\_ CITIZENSHIP: USA

POST OFFICE ADDRESS: \_\_\_\_\_

Date: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

FROM PARENT CASE  
SEE ADDRESS CHANGE  
WILLIAM V. ADAMS  
REG # 32,552  
22 MARCH 2004

FULL NAME OF FOURTH INVENTOR:

RESIDENCE: \_\_\_\_\_ CITIZENSHIP: USA

POST OFFICE ADDRESS: \_\_\_\_\_

Date: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

FULL NAME OF FIFTH INVENTOR:

RESIDENCE: \_\_\_\_\_ CITIZENSHIP: USA

POST OFFICE ADDRESS DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

FULL NAME OF SIXTH INVENTOR:

RESIDENCE: \_\_\_\_\_ CITIZENSHIP: USA

POST OFFICE ADDRESS DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

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## REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	09/550,623
Filing Date	4/17/00
First Named Inventor	Tidrow, et al
Group Art Unit	3724
Examiner Name	T. Eley
Attorney Docket Number	ARL 98-68

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

A Power of Attorney or Authorization of Agent is submitted herewith.

OR

Please change the correspondence address for the above-identified application to:

Customer Number



Place Customer  
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Label here

OR

<input checked="" type="checkbox"/> Firm or Individual Name	William V. Adams, William W. Randolph & Edward L. Stolarun			
Address				
Address				
City				
Country	State		ZIP	
Telephone	Fax			

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

### SIGNATURE of Applicant or Assignee of Record

Name      Meimei Z. Tidrow.

Signature      

Date      9 - 2 - 02

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.

Total of \_\_\_\_\_ forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments or the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	09/550,623
Filing Date	4/17/00
First Named Inventor	Tidrow, et al
Title	Method of Fabricating a-
Group Art Unit	3724
Examiner Name	T. Eley
Attorney Docket Number	ARL 98-68

I hereby appoint:

Practitioners at Customer Number  → Place Customer Number Bar Code Label here

OR

Practitioner(s) named below:

Name	Registration Number
William V. Adams	32,552
William W. Randolph	28,986
Edward L. Stolarun	25,515

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

The above-mentioned Customer Number.

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<input type="checkbox"/> Firm or Individual Name			
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Address			
City	State	Zip	
Country			
Telephone	Fax		

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/98).

### SIGNATURE of Applicant or Assignee of Record

Name	Meimei Z. Tidrow
------	------------------

Signature	
-----------	---

Date	9-2-02
------	--------

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.

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## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	09/550,623
Filing Date	4/17/00
First Named Inventor	Steve Tidrow
Title	Method of Fabricating a-
Group Art Unit	3724
Examiner Name	T. Eley
Attorney Docket Number	ARL 98-68

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OR

Firm or  
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

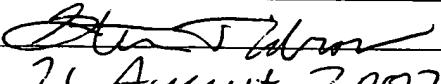
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### SIGNATURE of Applicant or Assignee of Record

Name  Steven Tidrow

Signature 

Date  21 August 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

Total of  forms are submitted.

Burden Hour Statement This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington DC 20231 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO Assistant Commissioner for Patents, Washington DC 20231

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Application Number	09/550,623
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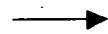
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<input checked="" type="checkbox"/> Firm or Individual Name	William V. Adams, William W. Randolph & Edward L. Stolarun		
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Address			
City			
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Telephone	Fax		

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Name	Steven Tidrow
Signature	
Date	21 August 2002

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